

IN THE CLAIMS:

1. (Withdrawn) An apparatus for controlling a brake mounted on a bicycle, said apparatus comprising:

a pump able to push fluid into a hydraulic circuit connected to the brake, wherein said pump is held inside an integrally unitary bicycle handlebar.

2. (Cancelled)

3. (Withdrawn) The apparatus of claim 1, wherein said handlebar is of sprint race-type with two curved arms, and wherein said pump is inside each respective arm of said two arms of said handlebar.

4. (Withdrawn) The apparatus of claim 1, wherein an integral portion of said handlebar defines a connection of said handle bar being rotatably connected to a steering stem of the bicycle.

5. (Currently Amended) The apparatus of claim 1, wherein said pump comprises a piston connected to a ~~respective control~~ said brake lever device through an appendix of said brake lever device.

6. (Withdrawn) The apparatus of claim 1, wherein said pump comprises a piston

connected to a respective control lever through a connecting rod.

7-8 (Cancelled)

9. (Currently Amended) The apparatus of claim ~~1~~ 30, wherein said pump comprises a piston connected to a ~~respective control~~ said brake lever device through a relevant cable held within a sheath.

10. (Currently Amended) The apparatus of claim ~~1~~ 30, wherein said pump comprises a piston connected to a ~~respective control~~ said brake lever device through a relevant cable held within a sheath; said cable being fixed to a body of said handlebar or to an integral portion associated with said handlebar, and said piston being pushed by said sheath.

11. (Withdrawn) The apparatus of claim 1, wherein said pump is connected with a reservoir held in said handlebar or in an integral portion associated with said handlebar.

12-20 (Cancelled)

21. (Currently Amended) The apparatus of claim ~~2~~ 29, wherein said lug has a first distal end and a second distal end, said first distal end being ~~rotatably~~ directly connected to said single steering stem of said bicycle and said second distal end being connected to said

handlebar, said lug encapsulating ~~at least two complete sets of~~ said pump.

22. (Previously Presented) A brake controlling apparatus comprising:

a single lug with a first distal end and a second distal end, said first distal end rotatably attached to a single steering stem of a bicycle;

a handlebar with a right handle lever and a left handle lever, said handlebar being fixed
5 to said second distal end;

a brake designed to apply friction to a wheel of said bicycle;

a hydraulic circuit having a first end and a distal second end, said first end connected
to said brake; and

a right side fluid-operating pump and a left side fluid-operating pump, both said pumps
10 being encapsulated inside said single lug, each of said pumps having a one side and another
side, said one side being connected to said right and left handle levers respectively, and said
another side being connected to said second end of said hydraulic circuit, said levers actuating
said pumps to push fluid into said hydraulic circuit thereby applying said brake.

23. (Previously Presented) A brake-controlling apparatus according to claim 22,
wherein each said pump comprises said piston connected to a respective said lever through an
appendix of said lever.

24. (Previously Presented) A brake controlling apparatus according to claim 22,

wherein said pump comprises a piston connected to a respective said lever through a connecting rod.

25. (Previously Presented) A brake controlling apparatus according to claim 22, wherein said pump comprises a piston connected to a respective said lever through a relevant cable held within a sheath.

26. (Previously Presented) A brake controlling apparatus according to claim 22, wherein each said pump comprises a piston connected to a respective said lever through a relevant cable held within a sheath, said cable being fixed to the body of said handlebar and said piston being pushed by said sheath.

27. (Previously Presented) A brake controlling apparatus according to claim 24, wherein a reservoir is provided with a lid which allows said piston to be accessed from the outside.

28. (Previously Presented) A brake controlling apparatus according to claim 22, wherein said pump is connected with a reservoir held in said handlebar or in an integral portion associated with said handlebar.

29. (New) A brake arrangement for a bicycle, the arrangement comprising:

a bicycle frame including a steering sleeve;
a brake mounted on said bicycle frame and applying friction to a wheel of the bicycle;
an hydraulic circuit having one end connected to said brake;
a steering stem rotatably mounted in said steering sleeve;
a lug connected to said steering stem;
a handlebar connected to said lug;
a pump arranged inside said lug and connected to another end of said hydraulic circuit
for forcing fluid through said hydraulic circuit, into said brake, and applying friction to the
wheel.

30. (New) An arrangement in accordance with claim 29, further comprising:

a brake lever device mounted on said handlebar and spaced from said lug, said brake
lever device being operatively connected to said pump.

31. (New) An arrangement in accordance with claim 30, further comprising:

a cable connecting said brake lever device to said pump, said cable transferring motion
of said brake lever device to said pump to force the fluid through said hydraulic circuit.

32. (New) An arrangement in accordance with claim 31, wherein:

said pump includes a piston;

said cable includes a sheath, said cable with said sheath being connected at one end to

said brake lever device, another end of said sheath being connected to said piston, another end of said cable being fixed to said lug.